



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number	10/663,061
Filing Date	September 12, 2003
First Named Inventor	Charles N. S. rhan
Art Unit	
Examiner Name	

Sheet	1	of	5	Attorney Docket Number	7213.13
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U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	DOCUMENT NUMBER Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 4,666,701	5/19/1987	Horrobin et al.	
		US- 5,409,955	4/25/1995	Bockow et al.	
		US- 5,411,988	5/2/1995	Bockow et al.	
		US- 5,709,855	1/20/1998	Bockow	
		US- 6,201,022	3/13/2001	Mease et al.	
		US- 4,201,211	5/6/1980	Chandrasekaran et al.	
		US- 5,814,599	9/29/1998	Mitragotri et al.	
		US- 5,846,974	12/8/1998	Kallman et al.	
		US- 4,810,424	3/7/1989	Gerwick, et al.	
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FOREIGN PATENT DOCUMENTS

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		Country Code:	Number - Kind Code (if known)				YES	NO
		WO	91/16914	11/14/1991			<input type="checkbox"/>	<input type="checkbox"/>
		WO	98/46588	10/22/1998			<input type="checkbox"/>	<input type="checkbox"/>
		JP	5186342	7/27/1993	Bunshiyu et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
		XP	002184773				<input type="checkbox"/>	<input type="checkbox"/>
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OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

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			YES	NO
		PCT/US01/05196 International Search Report	<input type="checkbox"/>	<input type="checkbox"/>
		J.W. Karanian et al., "Physiological functions of hydroxy - docosahexaenoic acid", Abstract, XP-002200246, 1993.	<input type="checkbox"/>	<input type="checkbox"/>
		E.M. Hill, et al. "Identification and egg hatching activity of monohydroxy fatty acid eicosanoids in the barnacle Balanus balanoides", Abstract, XP-002200247, 1992	<input type="checkbox"/>	<input type="checkbox"/>
		L. De Montarby, et al. "Synthesis stereoselectives de metabolites hydroxyiles d'acides gras polinsatures", Bulletin De La Societe Chimique de France, No. 3, pgs. 419-432, 1989.	<input type="checkbox"/>	<input type="checkbox"/>
		M. Yamane, et al., "Docosahexaenoic/arachidonic acid ω -hydroxylation system and differentiation in the human clonic adenocarcinoma cell line, Caco-2", Cancer Letters, Vol. 122, pgs. 51-59, 1998.	<input type="checkbox"/>	<input type="checkbox"/>
		T. Kato, et al., "Production of Hydroxy Unsaturated Fatty Acids Using Crude Lipxygenase Obtained from Infected Rice Plants", Bull. Chem. Soc. Jpn. Vol. 69, pgs. 1663-1666, 1996.	<input type="checkbox"/>	<input type="checkbox"/>
		W.E.M. Lands, "Proceedings of the AOCS Short Course on Polyunsaturated Fatty Acids and Eicosanoids", American Oil Chemists' Society 1987.	<input type="checkbox"/>	<input type="checkbox"/>
		M. Ligo et al., "Inhibitory effects of docosahexaenoic acid on colon carcinoma 26 metastasis to the lung", Br. J. Cancer, 1997, pgs. 650-655.	<input type="checkbox"/>	<input type="checkbox"/>
		G.E. Billman et al., "Prevention of sudden cardiac death by dietary pure ω -3 polyunsaturated fatty acids in dogs", Circulation 99 1999, pgs. 2452-2457.	<input type="checkbox"/>	<input type="checkbox"/>
		A.P. Simopoulos, "Workshop on the essentiality of an recommended dietary intakes for omega-6 and omega-3 fatty acids", J. Am. Coll. Nutr. 1999, pgs. 487-489.	<input type="checkbox"/>	<input type="checkbox"/>
		R. Marchioloi, "Dietary supplementation with n-3 polyunsaturated fatty acids and vitamin E after myocardial infarction: results of the GISSI-Prevenzione trial", Lancet 1999, pgs. 447-455.	<input type="checkbox"/>	<input type="checkbox"/>

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			YES	NO
		G. Weissmann, "Aspirin", <i>Sci. Am.</i> 1991, pgs. 84-90.	<input type="checkbox"/>	<input type="checkbox"/>
		A.J. Marcus, "Platelets: their role in hemostasis, thrombosis, and inflammation", <i>Inflammation: Basic Principles and Clinical Correlates</i> 1999, pgs. 77-95.	<input type="checkbox"/>	<input type="checkbox"/>
		J. Claria et al., "Aspirin triggers previously undescribed bioactive eicosanoids by human endothelial cell-leukocyte interactions", <i>Proc. Natl. Acad. Sci. USA</i> 1995, pgs. 9475-9479.	<input type="checkbox"/>	<input type="checkbox"/>
		C.N. Serhan et al., "Design of lipoxin A4 stable analogs that block transmigration and adhesion of human neutrophils", <i>Biochemistry</i> 1995, pgs. 14609-14615.	<input type="checkbox"/>	<input type="checkbox"/>
		N. Chiang et al., "Leukotriene B4 receptor transgenic mice reveal novel protective roles for lipoxins and aspirin-triggered lipoxins in reperfusion", <i>J. Clin. Invest.</i> 1999, pgs. 309-316.	<input type="checkbox"/>	<input type="checkbox"/>
		H.R. Herschman, "Recent progress in the cellular and molecular biology of prostaglandin synthesis", <i>Trends Cardiovasc. Med.</i> 1998, pgs. 145-150.	<input type="checkbox"/>	<input type="checkbox"/>
		P. Needleman et al., "The discovery and function of COX-2", <i>J. Rheumatol</i> 1997, pgs. 6-8.	<input type="checkbox"/>	<input type="checkbox"/>
		N. Chiang et al., "Aspirin-triggered 15-epi-lipoxin A4 (ATL) generation by human leukocytes and murine peritonitis exudates: Development of a specific 15-epi-LXA4 ELISA", <i>J. Pharmacol. Exp. Ther.</i> 1998, pgs. 779-790.	<input type="checkbox"/>	<input type="checkbox"/>
		G. Xiao et al., "Analysis of hydroperoxide-induced tyrosyl radicals and lipoxygenase activity in aspirin-treated human prostaglandin H synthase-2", <i>Biochemistry</i> 1997, pgs. 1836-1845.	<input type="checkbox"/>	<input type="checkbox"/>
		K. Node et al., "Anti-inflammatory properties of cytochrome P450 epoxygenase-derived eicosanoids", <i>Science</i> 1999, pgs. 1276-1279.	<input type="checkbox"/>	<input type="checkbox"/>
		S. Sethi et al., "Inhibition of phagocyte-endothelium interactions by oxidized fatty acids: A natural anti-inflammatory mechanism?", <i>J. Lab. Clin. Med.</i> 1996, pgs. 27-38.	<input type="checkbox"/>	<input type="checkbox"/>

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			YES	NO
		G.N. Levy, "Prostaglandin H synthases, nonsteroidal anti-inflammatory drugs, and colon cancer", <i>FASEB J.</i> 1997, pgs. 234-247.	<input type="checkbox"/>	<input type="checkbox"/>
		K. Gronert, et al., "Transcellular regulation of eicosanoid biosynthesis", <i>Eicosanoid Protocols</i> 1999, pgs. 119-144.	<input type="checkbox"/>	<input type="checkbox"/>
		H.J. George et al., "Expression purification and characterization of recombinant human inducible prostaglandin G/H synthase from baculovirus-infected insect cells", <i>Protein Express. Purif.</i> 1996, pgs. 19-26.	<input type="checkbox"/>	<input type="checkbox"/>
		J.H. Capdevila et al., "The highly stereoselective oxidation of polyunsaturated fatty acids by cytochrome P450BM-3", <i>J. Biol. Chem.</i> 1996, pgs. 22663-22671.	<input type="checkbox"/>	<input type="checkbox"/>
		R.T. Ruettinger et al., "Epoxidation of unsaturated fatty acids by a soluble cytochrome P-45-dependent system from bacillus megaterium", <i>J. Biol. Chem.</i> 1981, pgs. 5728-5734.	<input type="checkbox"/>	<input type="checkbox"/>
		T.H. Lee et al., "Characterization and biologic properties of 5,12-dihydroxy derivatives of eicosapentaenoic acid, including leukotriene B5 and the double lipoxygenase product", <i>J. Biol. Chem.</i> 1984, pgs. 2383-2389.	<input type="checkbox"/>	<input type="checkbox"/>
		C.N. Serhan et al., "Nomenclature of lipoxins and related compounds derived from arachidonic acid and eicosapentaenoic acid", <i>Prostaglandins</i> 1987, pgs. 201-204.	<input type="checkbox"/>	<input type="checkbox"/>
		D.J. Hill et al., "Trout thrombocytes contain 12-but not 5-lipoxygenase activity", <i>Biochim. Biophys. Acta</i> 1999, pgs. 63-70.	<input type="checkbox"/>	<input type="checkbox"/>
		B.N. Cronstein et al., "A mechanism for the anti-inflammatory effects of corticosteroids: The glucocorticoid receptor regulates leukocyte adhesion to endothelial cells and expression of endothelial-leukocyte adhesion molecule 1 and intercellular adhesion molecule 1", <i>Proc. Natl. Acad. Sci.</i> 1992, pgs. 9991-9995.	<input type="checkbox"/>	<input type="checkbox"/>
		T. Yokomizo et al., "A G-protein-coupled receptor for leukotriene B4 that mediates chemotaxis", <i>Nature</i> 1997, pgs. 620-624.	<input type="checkbox"/>	<input type="checkbox"/>
		M.R. Buchanan et al., "Regulation of endothelial cell and platelet receptor-ligand binding by the 12- and 15-lipoxygenase monohydroxides, 12-, 15-HETE and 13-HODE", <i>Prostaglandins Leukot. Essent. Fatty Acids</i> 1998, pgs. 339-346.	<input type="checkbox"/>	<input type="checkbox"/>

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			YES	NO
		P.M. Ridker et al., "Inflammation, aspirin, and the risk of cardiovascular disease in apparently healthy men", <i>N. Engl. J. Med.</i> 1997, pgs. 973-979.	<input type="checkbox"/>	<input type="checkbox"/>
		Communication Relating to the Results of the Partial International Search	<input type="checkbox"/>	<input type="checkbox"/>
		Takeshi Terano, Ensho, Chemical Abstract 107:22439, pp. 63-71, 1987.	<input type="checkbox"/>	<input type="checkbox"/>
		Miller et al., Lipids, Chemical Abstract 112:117062, pp. 998-1003, 1989.	<input type="checkbox"/>	<input type="checkbox"/>
		Hill, EM. Proc R. Soc. London Ser. B., 247 (1318) pp 41-46, 1992.	<input type="checkbox"/>	<input type="checkbox"/>
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			YES	NO
		Eritsland et al., "Effects of Highly Concentrated Omega-3 PUFAs and Acetylsalicylic Acid, Alone and Combined, on Bleeding Time and Serum Lipid Profile", <i>J. Oslo City Hosp.</i> , Vol. 39 (8-9), pp. 97-101, 1989.	<input type="checkbox"/>	<input type="checkbox"/>
		Iacovello et al., "Modulation of Fibrinolytic Response to Venous Occlusion in Humans by a Combination of Low-Dose Aspirin and n-3 PUFAs", <i>Arteriosclerosis Thrombosis</i> , Vol. 10, pp. 1191-1197, 1992.	<input type="checkbox"/>	<input type="checkbox"/>
		Lau et al., "Effects of Fish Oil Supplementation on Non-Steroidal Anti-Inflammatory Drug (NSAID) Requirement in Patients with Mild Rheumatoid Arthritis - A Double-Blind Placebo Controlled Study", <i>British Journal of Rheumatology</i> , Vol. 32 (11), pp. 982-989, 1993.	<input type="checkbox"/>	<input type="checkbox"/>
		Rao et al., "Comparative Pharmacology of Cyclooxygenase Inhibitors on Platelet Function", <i>Prostaglandins Leukot. Med.</i> , Vol. 18 (1), pp. 119-131, 1985	<input type="checkbox"/>	<input type="checkbox"/>
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